

ROY COOPER  
Governor

MICHAEL S. REGAN  
Secretary

MICHAEL ABRACZINSKAS  
Director



TBD

Mr. Mark Blalock  
General Manager  
Canfor Southern Pine - Graham Plant  
4408 Mt Hermon-Rock Creek Road  
Graham, NC 27253

SUBJECT: Air Quality Permit No. 06740T22  
Facility ID: 0100237  
Canfor Southern Pine – Graham Plant  
Graham, North Carolina  
Alamance County  
Fee Class: Title V  
PSD Status: Major

Dear Mr. Blalock:

In accordance with your completed Air Quality Permit Application for a major modification of a Title V permit, received February 12, 2019, we are forwarding herewith Air Quality Permit No. 06740T22 to Canfor Southern Pine – Graham Plant, 4408 Mt. Hermon-Rock Creek Road, Graham, North Carolina authorizing the construction and operation, of the emission source(s) and associated air pollution control device(s) specified herein. Additionally, any emissions activities determined from your Air Quality Permit Application as being insignificant per 15A North Carolina Administrative Code 02Q .0503(8) have been listed for informational purposes as an "ATTACHMENT." Please note the requirements for the annual compliance certification are contained in General Condition P in Section 3. The current owner is responsible for submitting a compliance certification for the entire year regardless of who owned the facility during the year.

As the designated responsible official, it is your responsibility to review, understand, and abide by all of the terms and conditions of the attached permit. It is also your responsibility to ensure that any person who operates any emission source and associated air pollution control device subject to any term or condition of the attached permit reviews, understands, and abides by the condition(s) of the attached permit that are applicable to that particular emission source.

If any parts, requirements, or limitations contained in this Air Quality Permit are unacceptable to you, you have the right to request a formal adjudicatory hearing within 30 days following receipt of this permit, identifying the specific issues to be contested. This hearing request must be in the form of a written petition, conforming to NCGS (North Carolina General Statutes) 150B-23, and filed with both the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, North Carolina 27699-6714 and the Division of Air Quality, Permitting Section, 1641 Mail Service Center, Raleigh, North Carolina 27699-1641. The form for requesting a formal adjudicatory hearing may be obtained upon request from the Office of Administrative Hearings. Please note that this permit will be stayed in its entirety upon receipt of the request for a hearing. Unless a request for a hearing is made pursuant to NCGS 150B-23, this Air Quality Permit shall be final and binding 30 days after issuance.



North Carolina Department of Environmental Quality | Division of Air Quality  
217 West Jones Street | 1641 Mail Service Center | Raleigh, North Carolina 27699-1641  
919.707.8400

You may request modification of your Air Quality Permit through informal means pursuant to NCGS 150B-22. This request must be submitted in writing to the Director and must identify the specific provisions or issues for which the modification is sought. Please note that this Air Quality Permit will become final and binding regardless of a request for informal modification unless a request for a hearing is also made under NCGS 150B-23.

The construction of new air pollution emission source(s) and associated air pollution control device(s), or modifications to the emission source(s) and air pollution control device(s) described in this permit must be covered under an Air Quality Permit issued by the Division of Air Quality prior to construction unless the Permittee has fulfilled the requirements of NCGS 143-215.108A(b) and received written approval from the Director of the Division of Air Quality to commence construction. Failure to receive an Air Quality Permit or written approval prior to commencing construction is a violation of NCGS 143-215.108A and may subject the Permittee to civil or criminal penalties as described in NCGS 143-215.114A and 143-215.114B.

The PSD minor baseline dates have been triggered for Alamance County for PM<sub>10</sub> and SO<sub>2</sub> emissions. This modification will have the following impacts for PSD Increment Tracking:

PM10:	+0.26 lb/hr
SO <sub>2</sub> :	+0.01 lb/hr

This Air Quality Permit shall be effective from TBD until April 30, 2023, is nontransferable to future owners and operators, and shall be subject to the conditions and limitations as specified therein. Should you have any questions concerning this matter, please contact Russell Braswell at [d.russell.braswell@ncdenr.gov](mailto:d.russell.braswell@ncdenr.gov) or 919-707-8731.

Sincerely yours,

William D. Willets, P.E., Chief, Permitting Section  
Division of Air Quality, NCDEQ

Enclosure

c: EPA Region 4  
Winston-Salem Regional Office  
Connie Horne (cover letter only)  
Central Files

ATTACHMENT to Cover Letter to Permit No. 06740T22

**Insignificant Activities per 15A NCAC 02Q .0503(8)**

Emission Source ID No.	Emission Source Description
IGen 1 <b>MACT, ZZZZ</b>	Propane-fired emergency engine (118 hp)
I-Sawmill	Green log sawmill
I-Silos	Wood residue storage silos
I-Chippers	Wood chippers

1. Because an activity is insignificant does not mean that the activity is exempted from an applicable requirement or that the Permittee is exempted from demonstrating compliance with any applicable requirement.
2. When applicable, emissions from stationary source activities identified above shall be included in determining compliance with the permit requirements for toxic air pollutants under 15A NCAC 02D .1100 "Control of Toxic Air Pollutants" or 02Q .0711 "Emission Rates Requiring a Permit."
3. For additional information regarding the applicability of MACT or GACT see the DAQ page titled "Specific Permit Conditions Regulatory Guide." The link to this site is as follows:  
<http://deq.nc.gov/about/divisions/air-quality/air-quality-permits/specific-permit-conditions-regulatory-guide>.

## Summary of Changes to Permit

The following changes were made to the Canfor Southern Pine – Graham Plant, Graham, NC Air Permit No. 06740T21.

Page*	Section*	Description of Changes
Throughout	Throughout	<ul style="list-style-type: none"><li>Updated dates and permit numbers;</li><li>Fixed formatting</li></ul>
n/a	List of Insignificant Activities	<ul style="list-style-type: none"><li>Added the following sources: I-Sawmill, I-Silos, I-Chipper. These sources have always been present at the facility, this is just for clarity</li></ul>
3	List of Emission Sources and Control Devices	<ul style="list-style-type: none"><li>Added boiler B-5.</li><li>Removed references to Case-by-Case MACT.</li></ul>
4	2.1 A.	<ul style="list-style-type: none"><li>Removed references to Case-by-Case MACT because it has expired.</li></ul>
11-16	2.1 D.	<ul style="list-style-type: none"><li>Added this section.</li><li>Added conditions for the following rules: 02D .0503, .0516, .0521, .0524, .0530, .1111</li></ul>
17	2.2 A.1	<ul style="list-style-type: none"><li>Corrected TAP emission limits for B-2, B-3, B-4 because they had been previously listed incorrectly in the permit.</li></ul>
20	2.2 C.	<ul style="list-style-type: none"><li>Removed permit condition for 02D .1109 because the requirements have expired.</li><li>Renumbered remaining condition.</li></ul>

\* This refers to the current permit unless otherwise stated.



State of North Carolina  
Department of Environmental Quality  
Division of Air Quality

## AIR QUALITY PERMIT

Permit No.	Replaces Permit No.(s)	Effective Date	Expiration Date
06740T22	06740T21	TBD	April 30, 2023

Until such time as this permit expires or is modified or revoked, the below named Permittee is permitted to construct and operate the emission source(s) and associated air pollution control device(s) specified herein, in accordance with the terms, conditions, and limitations within this permit. This permit is issued under the provisions of Article 21B of Chapter 143, General Statutes of North Carolina as amended, and Title 15A North Carolina Administrative Codes (15A NCAC), Subchapters 02D and 02Q, and other applicable Laws.

Pursuant to Title 15A NCAC, Subchapter 02Q, the Permittee shall not construct, operate, or modify any emission source(s) or air pollution control device(s) without having first submitted a complete Air Quality Permit Application to the permitting authority and received an Air Quality Permit, except as provided in this permit.

**Permittee:**

**Canfor Southern Pine – Graham Plant**

**Facility ID:**

**0100237**

**Facility Site Location:**  
**City, County, State, Zip:**

**4408 Mt. Hermon-Rock Creek Road**  
**Graham, Alamance County, North Carolina 27253**

**Mailing Address:**  
**City, State, Zip:**

**4408 Mt. Hermon-Rock Creek Road**  
**Graham, North Carolina 27253**

**Application Number:**  
**Complete Application Date:**

**0100237.19A**  
**February 12, 2019**

**Primary SIC Code:**

**2421**

**Division of Air Quality,**  
**Regional Office Address:**

**Winston-Salem Regional Office**  
**450 West Hanes Mill Road, Suite 300**  
**Winston-Salem, NC 27105**

Permit issued this the **TBD**.

William D. Willets, P.E., Chief, Air Permitting Section  
By Authority of the Environmental Management Commission

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ATTACHMENT

List of Acronyms

DRAFT

## SECTION 1- PERMITTED EMISSION SOURCE(S) AND ASSOCIATED AIR POLLUTION CONTROL DEVICE(S) AND APPURTENANCES

The following table contains a summary of all permitted emission sources and associated air pollution control devices and appurtenances:

Page No.	Emission Source ID No.	Emission Source Description	Control Device ID No.	Control Device Description
4-8, 17-25	B-2 <b>NSPS, Dc; MACT, DDDDD</b>	One wood fuel-fired boiler (28.7 million Btu per hour maximum heat input capacity)	MC-2, MC-2A  ESP-2	Two multicyclones (16 nine-inch diameter tubes and 44 six-inch diameter tubes, respectively)  One electrostatic precipitator
4-8, 17-25	B-3 <b>NSPS, Dc; MACT, DDDDD</b>	One wood fuel-fired boiler (28.7 million Btu per hour maximum heat input capacity)	MC-3, MC-3A  ESP-3	Two multicyclones (16 nine-inch diameter tubes and 44 six-inch diameter tubes, respectively)  One electrostatic precipitator
4-8, 17-25	B-4 <b>NSPS, Dc; MACT, DDDDD</b>	One wood fuel-fired boiler (57.6 million Btu per hour maximum heat input capacity)	MC-4, MC-4A  ESP-4	Two multicyclones (36 nine-inch diameter tubes and 44 six-inch diameter tubes, respectively)  One electrostatic precipitator
11-16	B-5 <b>PSD; NSPS, Dc; MACT, DDDDD</b>	One natural gas-fired boiler equipped with low NO <sub>x</sub> burners and an O <sub>2</sub> trim system (25.2 million Btu per hour maximum heat input capacity)	NA	NA
8-9	PM-2	One planer mill	C-2  BH-1	One cyclone (60 inches in diameter)  One bagfilter (3,296 square feet of filter area)
17-19	K-1 through K-6 <b>MACT, DDDD</b>	Six steam heated lumber drying kilns	NA	NA
10	Debarker	One enclosed rough log debarker	NA	NA

## SECTION 2- SPECIFIC LIMITATIONS AND CONDITIONS

### 2.1- Emission Source(s) and Control Devices(s) Specific Limitations and Conditions

The emission source(s) and associated air pollution control device(s) and appurtenances listed below are subject to the following specific terms, conditions, and limitations, including the testing, monitoring, recordkeeping, and reporting requirements as specified herein:

#### A.

- One wood fuel-fired boiler (ID No. B-2) with associated multicyclones (ID Nos. MC-2 and MC-2A) and electrostatic precipitator (ID No. ESP-2) all in series
- One wood fuel-fired boiler (ID No. B-3) with associated multicyclones (ID Nos. MC-3 and MC-3A) and electrostatic precipitator (ID No. ESP-3) all in series
- One wood fuel-fired boiler (ID No. B-4) with associated multicyclones (ID Nos. MC-4 and MC-4A) and electrostatic precipitator (ID No. ESP-4) all in series

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Particulate matter	(ID Nos. B-2 and B-3 only) 0.45 pounds per million Btu heat input	15A NCAC 02D .0504
Sulfur dioxide	2.3 pounds per million Btu heat input	15A NCAC 02D .0516
Visible emissions	20 percent opacity	15A NCAC 02D .0521
-	(ID Nos. B-2 and B-3 only) Maintain records of monthly fuel usage	15A NCAC 02D .0524 <i>40 CFR 60 Subpart Dc</i>
Particulate matter	(ID No. B-4 only) 0.03 pounds per million Btu heat input or 0.051 pounds per million Btu heat input while demonstrating a 99.8 percent reduction in particulate matter emissions	
Toxic air pollutants	<b>State-enforceable only</b> See Multiple Emissions Section 2.2 A.2	15A NCAC 02D .1100
PM (Filterable), Mercury HCl-Equivalent Carbon Monoxide	See Multiple Emissions Section 2.2 C.1	15A NCAC 02D .1111 <i>40 CFR 63 Subpart DDDDD</i>

#### 1. 15A NCAC 02D .0504: PARTICULATES FROM WOODBURNING INDIRECT HEAT EXCHANGERS

- Emissions of particulate matter from the combustion of wood fuel that are discharged from these sources (ID Nos. B-2 and B-3) into the atmosphere shall not exceed 0.45 pounds per million Btu heat input.

**Testing** [15A NCAC 02D .0508(f)]

- If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 A.1.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0504.



**Monitoring/Recordkeeping** [15A NCAC 02Q .0508(f)]

- c. Particulate matter emissions from these sources (**ID Nos. B-2 and B-3**) shall be controlled by four multicyclones (**ID Nos. MC-2, MC-2A, MC-3, and MC-3A**) as described above. To ensure compliance, the Permittee shall perform inspections and maintenance as recommended by the manufacturer. In addition to the manufacturer's inspection and maintenance recommendations, or if there are no manufacturer's inspection and maintenance recommendations, as a minimum, the inspection and maintenance requirement must include the following:
- a monthly external visual inspection of the system ductwork and material collection units for leaks; and
  - an annual (for each 12-month period following the initial inspection) internal inspection of the multicyclones' structural integrity.

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0504 if the multicyclones and ductwork are not inspected and maintained.

- d. The results of inspection and maintenance activities shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
- the date and time of each recorded action;
  - the results of each inspection;
  - a report of any maintenance performed on the multicyclones; and
  - any variance from the manufacturer's recommendations, if any, and corrections made.

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0504 if these records are not maintained.

**Reporting** [15A NCAC 02Q .0508(f)]

- e. Within 30 days of a written request from the DAQ, the Permittee shall submit a report of any maintenance performed on the multicyclones (**ID Nos. MC-2, MC-2A, MC-3, and MC-3A**).
- f. The Permittee shall submit a summary report of the monitoring and recordkeeping activities given in Sections 2.1 A.1.c and d postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

**2. 15A NCAC 02D .0516: SULFUR DIOXIDE EMISSIONS FROM COMBUSTION SOURCES**

- a. Emissions of sulfur dioxide from these sources (**ID Nos. B-2, B-3, and B-4**) shall not exceed 2.3 pounds per million Btu heat input. Sulfur dioxide formed by the combustion of sulfur in fuels, wastes, ores, and other substances shall be included when determining compliance with this standard.

**Testing** [15A NCAC 02D .0508(f)]

- b. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 A.2.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0516.

**Monitoring/Recordkeeping/Reporting** [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for sulfur dioxide emissions from the firing of wood in these sources (**ID Nos. B-2, B-3, and B-4**).

**3. 15A NCAC 02D .0521: CONTROL OF VISIBLE EMISSIONS**

- a. Visible emissions from these sources (**ID Nos. B-2 and B-3**) shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent

not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity.

**Testing** [15A NCAC 02D .0508(f)]

- b. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limits given in Section 2.1 A.3.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521.

**Monitoring** [15A NCAC 02Q .0508(f)]

- c.
  - i. To ensure compliance, once a day the Permittee shall observe the emission points of these sources (**ID Nos. B-2 and B-3**) for any visible emissions above normal. The daily observation must be made for each day of the calendar year period to ensure compliance with this requirement. The Permittee shall be allowed three (3) days of absent observations per semiannual period. If visible emissions from these sources (**ID Nos. B-2 and B-3**) are observed to be above normal, the Permittee shall either:
    - (A) take appropriate action to correct the above-normal emissions as soon as practicable and within the monitoring period and record the action taken as provided in the recordkeeping requirements below, or
    - (B) demonstrate that the percent opacity from the emission points of the emission source in accordance with 15A NCAC 02D .2610 (Method 9) for 12 minutes is below the limit given in Section 2.1 A.3.a above.
  - ii. The Permittee shall be deemed to be in noncompliance with 15A NCAC 02D .0521 if:
    - (A) the above-normal emissions are not corrected per c.i.(A) above;
    - (B) the demonstration in c.i.(B) above cannot be made; or
    - (C) the daily observations are not conducted per c.i above.

**Recordkeeping** [15A NCAC 02Q .0508(f)]

- d. The results of the monitoring shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
  - i. the date and time of each recorded action;
  - ii. the results of each observation and/or test noting those sources with emissions that were observed to be in noncompliance along with any corrective actions taken to reduce visible emissions; and
  - iii. the results of any corrective actions performed.The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521 if these records are not maintained.

**Reporting** [15A NCAC 02Q .0508(f)]

- e. The Permittee shall submit a summary report of the monitoring and recordkeeping activities given in Sections 2.1 A.3.c and d above postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

#### **4. 15A NCAC 02D .0524: NEW SOURCE PERFORMANCE STANDARDS**

- a. For these sources (**ID Nos. B-2, B-3 and B4**), the Permittee shall comply with all applicable provisions, including the notifications, testing, monitoring, recordkeeping, and reporting requirements contained in Environmental Management Commission Standard 15A NCAC 02D .0524 “New Source Performance Standards” as promulgated in 40 CFR Part 60, Subpart Dc, “Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units,” including Subpart A “General Provisions.”

**Recordkeeping** [15A NCAC 02Q .0508(f)]

- b. In addition to any recordkeeping required by 40 CFR 60.48c or recordkeeping requirements of the EPA, the Permittee shall record and maintain records of the amounts of wood fuel fired in these sources (**ID Nos. B-2 and B-3**) during each month. All records shall be maintained by the Permittee for a period of two years following the date of such record. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0524 if these records are not maintained.
- c. For this source (**ID No. B-4**), the Permittee shall comply with all applicable provisions, including the notifications, testing, monitoring, recordkeeping, and reporting requirements contained in Environmental Management Commission Standard 15A NCAC 02D .0524 “New Source Performance Standards” as promulgated in 40 CFR Part 60, Subpart Dc, “Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units,” including Subpart A “General Provisions.”

**Emission Limitations** [15A NCAC 02D .0524]

- d. The Permittee shall comply with the following emission limitations:
  - i. visible emissions from this source (**ID No. B-4**) shall not be more than 20 percent opacity when averaged over a six-minute period, except for one six-minute period per hour of not more than 27 percent opacity [40 CFR 60.43c(c)]; and
  - ii. particulate matter emissions shall be less than 0.03 pounds per million Btu heat input for this source (**ID No. B-4**); or
  - iii. particulate matter emissions shall be less than 0.051 pounds per million Btu heat input while demonstrating a 99.8 percent reduction in particulate matter emissions. [40 CFR 60.43c(e)]
  - iv. These standards apply at all times, except during periods of start-up, shut-down and malfunction. [40 CFR 60.43c(d)]The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0524 if these emission limits are exceeded.
- e. To ensure compliance with the emission limits above, the Permittee shall operate the source and associated control equipment in such a manner that the parameters of the most recently approved emissions tests for this source are maintained at the levels established on that test date including, but not limited to, process rates, heat inputs, fan speeds, and power levels of the ESP (**ID No. ESP-4**). The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0524 if these parameters are not maintained at the established levels.

**Testing** [15A NCAC 02D .0508(f)]

- f. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limits given in Section 2.1 A.4.d above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0524.

**Monitoring/Recordkeeping** [15A NCAC 02Q .0508(f)]

- g. A continuous emissions monitor (COMS) for the opacity of emissions shall be installed, calibrated, maintained, tested, and operated in accordance with 40 CFR Part 60, Appendix B “Performance Specifications” and Appendix F “Quality Assurance Procedures.” The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0524 if these requirements are not met. (**ID No. B-4**)
- h. In addition to any other recordkeeping required by 40 CFR 60.48c or recordkeeping requirements of the EPA, the Permittee shall record and maintain records of the amount of fuel fired during each month. All records shall be maintained by the Permittee for a period of two years following the date of such record. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0524 if these records are not maintained.
- i. The Permittee shall maintain records of any occurrence and duration of any startup, shutdown, or malfunction in the operation this source (**ID No. B-4**). The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0524 if the records of startups, shutdowns, and malfunctions are not maintained. [40 CFR 60.7(b)]

**Reporting** [15A NCAC 02Q .0508(f)]

- j. In addition to any other reporting required by 40 CFR 60.48c or notification requirements to the EPA, the Permittee is required to notify the DAQ in writing of the following:
  - i. any excess opacity emission reports as measured by the continuous opacity monitor (COM), postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. If there are no excess emissions during the six-month period, the Permittee shall submit a statement indicating that no excess emissions occurred during the reporting period (**ID No. B-4**); and
  - ii. all instances of deviations from the requirements of this permit must be clearly identified.

**B. One planer mill (ID No. PM-2) with associated cyclone (ID No. C-2) in series with one bagfilter (ID No. BH-1)**

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Particulate matter	Adequate ductwork and properly designed collectors	15A NCAC 02D .0512
Visible emissions	20 percent opacity	15A NCAC 02D .0521

**1. 15A NCAC 02D .0512: PARTICULATES FROM MISCELLANEOUS WOOD PRODUCTS FINISHING PLANTS**

- a. The Permittee shall not cause, allow, or permit particulate matter caused by the working, sanding, or finishing of wood to be discharged from any stack, vent, or building into the atmosphere without providing, as a minimum for its collection, adequate ductwork and properly designed collectors. In no case shall be ambient air quality standards be exceeded beyond the property line.

**Monitoring/Recordkeeping** [15A NCAC 02Q .0508(f)]

- b. Particulate matter emissions from this source (**ID No. PM-2**) shall be controlled by one cyclone (**ID No. C-2**) and one bagfilter (**ID No. BH-1**) as described above. To ensure compliance, the Permittee shall perform inspection and maintenance as recommended by the manufacturer. In addition to the manufacturer's inspection and maintenance recommendations, or if there are no manufacturer's inspection and maintenance recommendations, as a minimum, the inspection and maintenance requirement must include the following:
  - i. a monthly external visual inspection of the system ductwork, cyclone, and bagfilter noting structural integrity; and
  - ii. an annual (for each 12-month period following the initial inspection) internal inspection of the bagfilter and cyclone noting the structural integrity and the condition of the filters.

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0504 if the ductwork, cyclone, and bagfilter are not inspected and maintained.
- c. The results of inspection and maintenance activities shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
  - i. the date and time of each recorded action;
  - ii. the results of each inspection;
  - iii. a report of any maintenance performed on any control device; and
  - iv. any variance from the manufacturer's recommendations, if any, and corrections made.

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0512 if these records are not maintained.

**Reporting** [15A NCAC 02Q .0508(f)]

- d. The Permittee shall submit the results of any maintenance performed on any control device within 30 days of a written request by the DAQ.
- e. The Permittee shall submit a summary report of monitoring and recordkeeping activities given in Sections 2.1 B.1.b and c postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

**2. 15A NCAC 02D .0521: CONTROL OF VISIBLE EMISSIONS**

- a. Visible emissions from this source (**ID No. PM-2**) shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity.

**Testing** [15A NCAC 02D .0508(f)]

- b. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limits given in Section 2.1 B.2.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521.

**Monitoring** [15A NCAC 02Q .0508(f)]

- c. i. To ensure compliance, once a week the Permittee shall observe the emission points of this source (**ID No. PM-2**) for any visible emissions above normal. The weekly observation must be made for each week of the calendar year period to ensure compliance with this requirement. If visible emissions from this source are observed to be above normal, the Permittee shall either:
  - (A) take appropriate action to correct the above-normal emissions as soon as practicable and within the monitoring period and record the action taken as provided in the recordkeeping requirements below, or
  - (B) demonstrate that the percent opacity from the emission points of the emission source in accordance with 15A NCAC 02D .2610 (Method 9) for 12 minutes is below the limit given in Section 2.1 B.2.a above.
- ii. The Permittee shall be deemed to be in noncompliance with 15A NCAC 02D .0521 if:
  - (A) the above-normal emissions are not corrected per c.i.(A) above;
  - (B) the demonstration in c.i.(B) above cannot be made; or
  - (C) the weekly observations are not conducted per c.i above.

**Recordkeeping** [15A NCAC 02Q .0508(f)]

- d. The results of the monitoring shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The logbook shall record the following:
  - i. the date and time of each recorded action;
  - ii. the results of each observation and/or test noting those sources with emissions that were observed to be in noncompliance along with any corrective actions taken to reduce visible emissions; and
  - iii. the results of any corrective actions performed.The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521 if these records are not maintained.

**Reporting** [15A NCAC 02Q .0508(f)]

- e. The Permittee shall submit a summary report of the monitoring and recordkeeping activities given in Sections 2.1 B.2.c and d above postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

**C. One enclosed rough log debarker (ID No. Debarker)**

The following table provides a summary of limits and standards for the emission source(s) described above:

<b>Regulated Pollutant</b>	<b>Limits/Standards</b>	<b>Applicable Regulation</b>
Particulate matter	Adequate ductwork and properly designed collectors	15A NCAC 02D .0512
Visible emissions	20 percent opacity	15A NCAC 02D .0521

**1. 15A NCAC 02D .0512: PARTICULATES FROM MISCELLANEOUS WOOD PRODUCTS FINISHING PLANTS**

- a. The Permittee shall not cause, allow, or permit particulate matter caused by the working, sanding, or finishing of wood to be discharged from any stack, vent, or building into the atmosphere without providing, as a minimum for its collection, adequate ductwork and properly designed collectors. In no case shall be ambient air quality standards be exceeded beyond the property line.

**2. 15A NCAC 02D .0521: CONTROL OF VISIBLE EMISSIONS**

- a. Visible emissions from this source (**ID No. Debarker**) shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity.

**Testing** [15A NCAC 02D .0508(f)]

- b. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limits given in Section 2.1 C.2.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521.

**Monitoring/Recordkeeping/Reporting** [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for visible emissions from this enclosed source (**ID No. Debarker**).

**D. One natural gas-fired boiler equipped with low-NOx burners and an O<sub>2</sub> trim system (ID No. B-5)**

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Particulate matter	0.47 pound per million Btu heat input	15A NCAC 02D .0503
Sulfur dioxide	2.3 pounds per million Btu heat input	15A NCAC 02D .0516
Visible emissions	20 percent opacity	15A NCAC 02D .0521
n/a	Keep records of fuel usage	15A NCAC 02D .0524 (40 CFR 60, Subpart Dc)
Volatile organic compounds	Sec Section 2.2 C.1.	15A NCAC 02D .0530
Hazardous air pollutants	Perform tune-ups as scheduled.	15A NCAC 02D .1111

**1. 15A NCAC 02D .0503: PARTICULATES FROM FUEL BURNING INDIRECT HEAT EXCHANGERS**

- a. Emissions of particulate matter from the combustion of natural gas that are discharged from this source (**ID No. B-5**) into the atmosphere shall not exceed 0.252 pounds per million Btu heat input each.

**Testing** [15A NCAC 02Q .0508(f)]

- b. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 D.1.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0503.

**Monitoring/Recordkeeping/Reporting** [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for particulate emissions from the burning of natural gas in this source (**ID No. B-5**).

**2. 15A NCAC 02D .0516: SULFUR DIOXIDE EMISSIONS FROM COMBUSTION SOURCES**

- a. Emissions of sulfur dioxide in this source (**ID Nos. B-5**), shall not exceed 2.3 pounds per million Btu heat input. Sulfur dioxide formed by the combustion of sulfur in fuels, wastes, ores, and other substances shall be included when determining compliance with this standard.

**Testing** [15A NCAC 02Q .0508(f)]

- b. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 D.2.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0516.

**Monitoring/Recordkeeping/Reporting** [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for sulfur dioxide emissions from the burning of natural gas in this source (**ID No. B-5**).

**3. 15A NCAC 02D .0521: CONTROL OF VISIBLE EMISSIONS**

- a. Visible emissions when burning natural gas from this source (**ID No. B-5**) shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity.

**Testing** [15A NCAC 02Q .0508(f)]

- b. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 D.3.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0521.

**Monitoring/Recordkeeping/Reporting** [15A NCAC 02Q .0508(f)]

- c. No monitoring/recordkeeping/reporting is required for visible emissions from the burning of natural gas in this source (**ID No. B-5**).

**4. 15A NCAC 02D .0524: NEW SOURCE PERFORMANCE STANDARDS**  
**(40 CFR Part 60, Subpart Dc)**

- a. The Permittee shall comply with all applicable provisions, including the notification, testing, monitoring, recordkeeping, and reporting requirements, contained in Environmental Management Commission Standard 15A NCAC 02D .0524 “New Source Performance Standards” as promulgated in 40 CFR Part 60, Subpart Dc, including Subpart A “General Provisions.”

**Monitoring/Recordkeeping/Reporting** [15A NCAC 02Q .0508(f)]

- b. In addition to any other recordkeeping required by 40 CFR 60.48c or recordkeeping requirements of the EPA, the Permittee shall record and maintain records of the amounts of natural gas fired in this source (**ID Nos. B-5**) during each calendar month. [40 CFR 60.48c(g)(2)]

**5. 15A NCAC 02D .0530: PREVENTION OF SIGNIFICANT DETERIORATION**

- a. The Permittee shall comply with all applicable provisions, including emission limits, testing, reporting, recordkeeping, and monitoring requirements, in accordance with 15A NCAC 02D .0530 “Prevention of Significant Deterioration”.
- b. The Permittee shall comply with the following Best Available Control Technology (BACT) determination. The BACT shall apply during all periods of operations, including start-ups, shut-downs and malfunctions.

*Table 2.1 D.5-1: BACT Limits*

EMISSION SOURCE	POLLUTANT	BACT	CONTROL DESCRIPTION
Natural gas-fired boiler ( <b>ID No. B-5</b> )	VOC	0.0054 pounds per million Btu	Good work and maintenance practices

**Testing** [15A NCAC 02Q .0508(f)]

- c. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test are above the limit given in Section 2.1 D.5.a above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530.

**Monitoring/Recordkeeping** [15A NCAC 02Q .0508(f)]

- d. The Permittee shall perform periodic inspection and maintenance activities as described in Table 2.1 D.5-2, below:



Table 2.1 D.5-2: Work Practice Requirements

Daily (per 24-hour period)	Weekly (per calendar week period)	Monthly (per calendar month period)
<ul style="list-style-type: none"> <li>• Check water level;</li> <li>• Blow down boiler;</li> <li>• Check combustion visually;</li> <li>• Treat water;</li> <li>• Check operating pressure and temperature;</li> <li>• Check stack temperature;</li> <li>• Check fuel operation; and</li> <li>• Check auxiliary equipment.</li> </ul>	<ul style="list-style-type: none"> <li>• Check indicating lights and alarms;</li> <li>• Check operating and limit controls;</li> <li>• Check operation of water level controls;</li> <li>• Check for leaks and unusual conditions;</li> <li>• Check operation of all motors;</li> <li>• Check lubricating levels;</li> <li>• Check glands on all pumps and metering devices; and</li> <li>• Check gauge glass</li> </ul>	<ul style="list-style-type: none"> <li>• Inspect fuel burning equipment operation;</li> <li>• Check for flue gas leaks;</li> <li>• Inspect for hot spots;</li> <li>• Review boiler blow down;</li> <li>• Check combustion air supply inlets to the boiler room and burner;</li> <li>• Check all filter elements; and</li> <li>• Check lubrication requirements of all bearing-supported equipment.</li> </ul>

Semiannual (for the periods of January 1 through June 31, and August 1 through December 31)	Annual (per 12-month period)
<ul style="list-style-type: none"> <li>• Clean low-water cutoffs <ul style="list-style-type: none"> <li>○ Remove float-ball assembly;</li> <li>○ Inspect/clean/investigate any sediment;</li> </ul> </li> <li>• Inspect forced draft for cleanliness and wear;</li> <li>• Check for looseness in linkages;</li> <li>• Tune combustion controls according to manufacturer's specifications; and</li> <li>• Check door gaskets for proper seal.</li> </ul>	<ul style="list-style-type: none"> <li>• Inspect fireside surfaces;</li> <li>• Repair refractory;</li> <li>• Inspect breeching and stack;</li> <li>• Inspect waterside surfaces;</li> <li>• Replace gauge glass as needed;</li> <li>• Inspect safety valves; and</li> <li>• Check all electrical terminals</li> </ul>

- e. The results of the monitoring activities given in Section 2.1 D.5.d above shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized representative upon request. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .0530 if these records are not maintained.

**Reporting** [15A NCAC 02Q .0508(f)]

- f. The Permittee shall submit a summary report of the monitoring and recordkeeping activities given in Sections 2.1 D.5.d and e above postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

**6. 15A NCAC 02D .1111: MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY (40 CFR Part 63, Subpart DDDDD)**

**Applicability** [40 CFR 63.7485, §63.7490(b), §63.7499(1)]

- a. For this source (**ID No. B-5**; i.e. *units designed to burn gas 1 fuels with autotrim*), the Permittee shall comply with all applicable provisions, including the monitoring, recordkeeping, and reporting contained in Environmental Management Commission Standard 15A NCAC 02D .1111 "Maximum Achievable Control Technology" (MACT) as promulgated in 40 CFR 63, Subpart DDDDD "National Emission Standards for

Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters” and Subpart A “General Provisions.”

**Definitions and Nomenclature** [§63.7575]

- b. For the purpose of this permit condition, the definitions and nomenclature contained in §63.7575 shall apply.

**40 CFR Part 63 Subpart A General Provisions** [§63.7565]

- c. The Permittee shall comply with the requirements of 40 CFR 63 Subpart A General Provisions according to the applicability of Subpart A to such sources as identified in Table 10 to 40 CFR Part 63, Subpart DDDDD.

**Compliance Date** [§63.7495(a)]

- d. The Permittee shall comply with the applicable requirements upon startup this source (**ID No. B-5**).

**Notifications** [§63.7545]

- e. i. As specified in §63.9(b)(4) and (5), the Permittee shall submit an Initial Notification to the DAQ not later than 15 days after the actual date of startup of the affected source. [§63.7545(c)]
- ii. The Permittee shall submit an initial Notification of Compliance Status to the DAQ within 60 days of startup. The notification shall contain, at a minimum, a description of the affected unit including identification of which subcategories the unit is in, the design heat input capacity of the unit, and description of the fuel burned. [§63.7545(e)(1)]

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if the requirements in **Section 2.1 D.6.e** are not met.

**Work Practice Standards** [15A NCAC 02Q .0508(f)]

- f. i. The Permittee shall conduct a tune-up every five years as specified below:
  - (A) as applicable, inspect the burner, and clean or replace any components of the burner as necessary. The Permittee may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled or unscheduled shutdown but the burner must be inspected at least once every 72 months.
  - (B) inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
  - (C) inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown).
  - (D) optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject.
  - (E) measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.
  - (F) set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.

[§63.7500(a), §63.7540(a)(10), (a)(12)]

- ii. Each 5-year tune-up shall be conducted no more than 61 months after the previous tune-up. The initial tune-up shall be conducted no later than 61 months after the initial startup of the source. [§63.7515(d)]
- iii. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup. [§63.7540(a)(13), §63.7515(g)]
- iv. At all times, you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.7500(a)(3)]

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if the requirements in **Section 2.1 D.6.f** are not met.

**Recordkeeping Requirements** [15A NCAC 02Q .0508(f)]

g. The Permittee shall:

- i. keep a copy of each notification and report submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or compliance report that has been submitted, according to the requirements in §63.10(b)(2)(xiv). [§63.7555(a)(1)]
- ii. maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (A) through (C) below:
  - (A) the concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
  - (B) a description of any corrective actions taken as a part of the tune-up; and
  - (C) the type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

[§63.7540(a)(10)(vi)]

- iii. keep the associated records for **Section 2.1 D.6.f.p**;
- iv. maintain records in a form suitable and readily available for expeditious review;
- v. keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record; and
- vi. keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The Permittee can keep the records offsite for the remaining 3 years.

[§63.7560, §63.10(b)(1)]

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if records are not maintained pursuant to **Section 2.1 D.6.g**.

**Reporting Requirements** [15A NCAC 02Q .0508(f)]

- h. i. The Permittee shall submit compliance reports to the DAQ on a 5-year basis. The first report shall cover the period beginning on the compliance date specified in **Section 2.1 D.6.d** (i.e., start-up) and ending on the earliest December 31<sup>st</sup> less than five years from the compliance date. Subsequent 5-year reports shall cover the periods from January 1 to December 31. The Permittee shall submit the compliance reports postmarked on or before January 30. [§63.7550(a), (b)]
- ii. The compliance report must also be submitted electronically via the Compliance and Emissions Data Reporting Interface (CEDRI). CEDRI can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>.) You must use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, you may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (<http://www.epa.gov/ttn/chief/cedri/index.html>), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §63.13. You must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI. [§63.7550(h)(3)]
- iii. The compliance report must contain the following information:
- (A) Company name and address;
  - (B) Process unit information, emissions limitations, and operating parameter limitations;
  - (C) Date of report and beginning and ending dates of the reporting period;
  - (D) Include the date of the most recent tune-up for each unit required according to **Section 2.1 D.6.f**. Include the date of the most recent burner inspection if it was not done within the five-year period and was delayed until the next scheduled or unscheduled unit shutdown.
  - (E) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

[§63.7550(a) and (c), Table 9]

## 2.2- Multiple Emission Source(s) Specific Limitations and Conditions

### A. Facility-wide affected sources

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Toxic air pollutants	<b>State Enforceable Only</b> Facility wide TAP limits for AAL compliance	15A NCAC 02D .1100
Odors	<b>State-enforceable only</b> Odorous emissions must be controlled	15A NCAC 02D .1806
Toxic air pollutants	<b>State-enforceable only</b> Emissions below TPERs	15A NCAC 02Q .0711

#### State-enforceable only

### 1. 15A NCAC 02D .1100: CONTROL OF TOXIC AIR POLLUTANTS

- a. Pursuant to 15A NCAC 02D .1100 “Control of Toxic Air Pollutants” and in accordance with the application for an air toxic compliance demonstration, approved November 17, 2009, the following permit limits shall not be exceeded:

Source	Pollutants	Emission Limits		
		Hourly (lb/hr)	Daily (lb/24 hr)	Yearly (lb/12 mth)
Boiler B-2	Acrolein	0.00224		
	Arsenic			0.478
	Benzene			251.4
	Beryllium			0.229
	Cadmium			1.31
	Chromium (non-specific Cr(VI) compounds)		0.00538	
	Formaldehyde	0.0204		
	Nickel		0.0124	
	Phenol	0.000402		
Boiler B-3	Acrolein	0.00224		
	Arsenic			0.478
	Benzene			251.4
	Beryllium			0.230
	Cadmium			1.31
	Chromium (non-specific Cr(VI) compounds)		0.0054	
	Formaldehyde	0.0204		
	Nickel		0.0124	
	Phenol	0.000403		

Source	Pollutants	Emission Limits		
		Hourly (lb/hr)	Daily (lb/24 hr)	Yearly (lb/12 mth)
Boiler B-4	Acrolein	0.00449		
	Arsenic			0.078
	Benzene			504.6
	Beryllium			0.459
	Cadmium			2.63
	Chromium (non-specific Cr(VI) compounds)		0.0108	
	Formaldehyde	0.0409		
	Nickel		0.02495	
	Phenol	0.000806		
K-1 (KILN1VA, KILN1VB, and KILN1VC combined)	Acrolein	0.0195		
	Formaldehyde	0.0735		
	Phenol	0.0216		
K-2 (KILN2VA, KILN2VB, and KILN2VC combined)	Acrolein	0.0195		
	Formaldehyde	0.0735		
	Phenol	0.0216		
K-3 (KILN3VA, KILN3VB, and KILN3VC combined)	Acrolein	0.0372		
	Formaldehyde	0.140		
	Phenol	0.0414		
K-4 (KILN4VA, KILN4VB, and KILN4VC combined)	Acrolein	0.0372		
	Formaldehyde	0.140		
	Phenol	0.0414		
K-5 (KILN5VA, KILN5VB, and KILN5VC combined)	Acrolein	0.0372		
	Formaldehyde	0.140		
	Phenol	0.0414		
K-6 (KILN6VA and KILN6VB combined)	Acrolein	0.103		
	Formaldehyde	0.388		
	Phenol	0.114		

**State-enforceable only****2. 15A NCAC 02D .1806: CONTROL AND PROHIBITION OF ODOROUS EMISSIONS**

- a. The Permittee shall not operate the facility without implementing management practices or installing and operating odor control equipment sufficient to prevent odorous emissions from the facility from causing or contributing to objectionable odors beyond the facility's boundary.

**State-enforceable only****3. 15A NCAC 02Q .0711: EMISSION RATES REQUIRING A PERMIT**

- a. Pursuant to 15A NCAC 02Q .0711 "Emission Rates Requiring a Permit," for each of the below listed toxic air pollutants (TAPs), the Permittee has made a demonstration that facility-wide actual emissions do not exceed the Toxic Permit Emission Rates (TPERs) listed in 15A NCAC 02Q .0711. The facility shall be

operated and maintained in such a manner that emissions of any listed TAPs from the facility, including fugitive emissions, will not exceed the TPERs listed 15A NCAC 02Q .0711.

- i. A permit to emit any of the below listed TAPs shall be required for this facility if actual emissions from all sources will become greater than the corresponding TPERs.
- ii. Prior to exceeding any of these listed TPERs, the Permittee shall be responsible for obtaining a permit to emit TAPs and for demonstrating compliance with the requirements of 15A NCAC 02D .1100 "Control of Toxic Air Pollutants."
- iii. In accordance with the approved application, the Permittee shall maintain records of operational information demonstrating that the TAP emissions do not exceed the TPERs as listed below:

Pollutant (CAS Number)	TPER(s) Limitations			
	Carcinogens (lbs/year)	Chronic Toxicants (lbs/day)	Acute Systemic Toxicants (lbs/hour)	Acute Irritants (lbs/hour)
acetaldehyde				6.8
bis(2-ethylhexyl) phthalate		0.63		
carbon disulfide		3.9		
chlorobenzene		46		
chloroform	290			
hydrochloric acid				0.18
hexane		23		
manganese		0.63		
mercury		0.013		
methylene chloride	1600		0.39	
MIBK		52		7.6
pentachlorophenol		0.063	0.0064	
styrene				2.7
toluene		98		14.4
trichloroethylene	4000			
vinyl chloride	26			
xylene		57		16.4

#### B. Six steam heated lumber drying kilns (ID Nos. K-1 through K-6)

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
Hazardous air pollutants	National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products Manufacturing  No applicable requirements other than initial notification	15A NCAC 02D .1111 (40 CFR Part 63, Subpart DDDD)

**C. Wood-fired boilers (ID Nos. B-2 through B-4)**

Regulated Pollutant	Limits/Standards	Applicable Regulation
Hydrogen chloride; Mercury; Carbon monoxide; Particulate matter	See Section 2.2 C.1	15A NCAC 02D .1111 (40 CFR Part 63, Subpart DDDDD)

**1. 15A NCAC 02D .1111: MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY****Applicability** [40 CFR 63.7485, §63.7490(d)]

- a. For the existing sources (**ID Nos. B-1 B-2 through B-4**), the Permittee shall comply with all applicable provisions, including the monitoring, recordkeeping, and reporting contained in Environmental Management Commission Standard 15A NCAC 02D .1111 "Maximum Achievable Control Technology" (MACT) as promulgated in 40 CFR 63, Subpart DDDDD, "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters" and Subpart A "General Provisions."

**Applicability** [40 CFR 63.7485, §63.7490(d), §63.7499(i), (p)]

- b. For these sources (**ID Nos. B-2 through B-4**) (*existing wet biofuel stokers with a heat input capacity 10 million Btu per hour or greater and controlled by dry ESPs*), the Permittee shall comply with all applicable provisions, including the monitoring, recordkeeping, and reporting contained in Environmental Management Commission Standard 15A NCAC 02D .1111 "Maximum Achievable Control Technology" (MACT) as promulgated in 40 CFR 63, Subpart DDDDD "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters" (Subpart 5D) and Subpart A "General Provisions."

**Definitions and Nomenclature**

- c. For the purpose of this permit condition, the definitions and nomenclature contained in 40 CFR 63.7575 shall apply. [§63.7575]

**40 CFR Part 63 Subpart A General Provisions**

- d. The Permittee shall comply with the requirements of 40 CFR 63 Subpart A General Provisions according to the applicability of Subpart A to such sources as identified in Table 10 to Subpart 5D. [§63.7565]

**Compliance Date** [§63.7510(e), §63.56(b)]

- e. The Permittee shall:
- complete the initial tune up and the one-time energy assessment as required in **Sections 2.2 C.1 v and w** no later than **May 20, 2019**.
  - complete the initial compliance requirements in **Section 2.2 C.1 l and m** no later than **November 16, 2019** and according to the applicable provisions in §63.7(a)(2).

**General Compliance Requirements**

- f. At all times the affected unit(s) is operating, the Permittee shall be in compliance with the emission standards in **Section 2.2 C.1.i**, except during periods of startup and shutdown. During startup and shutdown, the Permittee shall comply only with **Section 2.2 C.1.x** [§63.7505(a)]
- g. The Permittee shall demonstrate compliance with all applicable emission limits using performance stack testing, fuel analysis, or continuous monitoring systems (CMS), including a continuous emission monitoring system (CEMS), or particulate matter continuous parameter monitoring system (PM CPMS), where applicable. The Permittee may demonstrate compliance with the applicable emission limit for hydrogen chloride (HCl) or mercury using fuel analysis if the emission rate calculated according to §63.7530(c) is less than the applicable emission limit. Otherwise, the Permittee shall demonstrate compliance for HCL or mercury using performance stack testing. [§63.7505(c)]



- h. If the Permittee demonstrates compliance with any applicable emission limit through performance testing and subsequent compliance with operating limits through the use of CMS (including CPMS, CEMS or COMS), the Permittee shall:
- (A) Develop a site-specific monitoring plan according to the requirements in §63.7505(d)(1) through (2) for the use of any CMS. The Permittee shall submit this site-specific monitoring plan, if requested, at least 60 days before the initial performance evaluation of the CMS. [§63.7505(d)]
  - (B) Conduct a performance evaluation of each CMS in accordance with the site-specific monitoring plan. [§63.7505(d)(3)]
  - (C) Operate and maintain the CMS in continuous operation according to the site-specific monitoring plan. [§63.7505(d)(4)]
- i. At all times, then Permittee shall operate and maintain any affected source (as defined in §63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.7500(a)(3)]

**Emission Limits** [15A NCAC 02Q .0508(f), §63.7500(a)(1), Table 2]

- j. The affected unit(s) shall meet the following emission limits except during startup and shutdown:

Pollutant	Emission Limit
Hydrochloric Acid (HCl)	2.2E-02 lb per MMBtu of heat input
Mercury (Hg)	5.7E-06 lb per MMBtu of heat input
Carbon monoxide (CO)	1,500 ppm by volume on a dry basis corrected to 3 percent oxygen, 3 run average or (720 ppm by volume on a dry basis corrected to 3 percent oxygen, 30-day rolling average)
Filterable Particulate Matter(PM) or Total Suspended Metals (TSM)	3.7E-02 lb per MMBtu of heat input or 2.4E-04 lb per MMBtu of heat input

**Testing** [15A NCAC 02Q .0508(f)]

- k. If emissions testing is required, the testing shall be performed in accordance with General Condition JJ. If the results of this test(s) are above the limit given in **Section 2.2 C.1.j** above, the Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111.

**Notifications** [15A NCAC 02Q .0508(f), §§63.7545(d), 63.7530]

- l. The Permittee shall submit the following notifications:
- i. A notification of intent to conduct a performance test at least 60 days before the performance test is scheduled to begin. §63.7(b)(1), §63.9(e), §63.7545(d)]
  - ii. A notification of intent to conduct a performance evaluation of the CMS(s) simultaneously with the notification of the performance test date required, or at least 60 days prior to the date the performance evaluation is scheduled to begin if no performance test is required. [40 CFR 63.8(e)]
  - iii. For the initial compliance demonstration for each affected source, the Permittee shall submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for boilers (**ID Nos. B2 through B4**). The Notification of Compliance Status report must contain all the information specified in paragraphs (e)(1) through (8) of §63.7545 as applicable.

[§§63.9(h)(3), 63.10(d)(2), 63.7545(e)]

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these notification

requirements are not met.

**Initial Testing, Fuel Analysis and CMS Requirements** [15A NCAC 02Q .0508(f)]

- m. For each boiler that is required or that will demonstrate compliance with any of the applicable emission limits in **Section 2.2 C.1.i** through performance (stack) testing, the initial compliance requirements include the following: [§63.7510(a)]
  - i. Conduct performance tests according to §63.7520;
  - ii. Conduct a fuel analysis for each type of fuel burned in the boiler as required according to §63.7521 and Table 6 to Subpart 5D, except as specified in §63.7510(a)(2)(i) through (iii) and establish maximum fuel pollutant input levels according to §63.7530(b)(1) through (3), as applicable;
  - iii. Establish operating limits according to §63.7530 and Table 7 to Subpart 5D; and
  - iv. Conduct CMS performance evaluations according to §63.7525.
- n. For each boiler or process heater that the Permittee elects to demonstrate compliance with the applicable emission limits in for HCl and/or mercury through fuel analysis, the initial compliance requirement includes the following:
  - i. Conduct a fuel analysis for each type of fuel burned in the boiler as required according to §63.7521
  - ii. Establish operating limits according to §63.7530 and Table 8 to Subpart 5D.
  - iii. The fuels described in 63.7510(a)(2)(i) and (ii) are exempt from these fuel analysis and operating limit requirements. The fuels described in paragraph 63.7510(a)(2)(ii) are exempt from the chloride fuel analysis and operating limit requirements.
- o. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if the requirements in **Section 2.2 C.1.i and m** are not met.

**Monitoring Requirements** [15A NCAC 02Q .0508(f)]

- p. The Permittee shall install, operate, and maintain the following CMS:
  - i. operating load monitors according to §63.7525(d);
  - ii. oxygen analyzer systems, according to §63.7525(d) [§63.7525(a)]; and
  - iii. COMS, according to §63.7525(c)
- q. The Permittee shall monitor and collect data according to §63.7535 and the site-specific monitoring plan required in **Section 2.2 C.1.h**.
- r. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if the requirements in **Section 2.2 C. 1.p and q** are not met.

**Operating Limits** [15A NCAC 02Q .0508(f)]

- s. The Permittee shall maintain:
  - i. the 30-day rolling average operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during most recent performance test;
  - ii. the 30-day rolling average oxygen content at or above the lowest hourly average oxygen concentration measured during the most recent CO performance test. If multiple performance tests are conducted, set the minimum oxygen level at the lower of the minimum values established during the performance tests;
  - iii. opacity to less than or equal to 10 percent opacity or the highest hourly average opacity reading measured during the performance test run demonstrating compliance with the PM (or TSM) emission limitation (daily block average).]
  - iv. for HCL and/or mercury, if using fuel analysis alone, the 12-month rolling average at or below the applicable emission limit.

[§§63.7500(a)(2), 63.7540, Table 4 and 8 to Subpart 5D]

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met.

**Subsequent performance tests and fuel analyses requirements** [15A NCAC 02Q .0508(f), §63.7515]

- t. The Permittee shall:
  - i. conduct subsequent performance tests on an annual basis, except as specified in §63.7515. Annual

performance tests must be completed no more than 13 months after the previous performance test, except as specified in §63.7515; and

- ii if complying with the HCL and/or mercury emission limits on fuel analysis alone, conduct fuel analyses on a monthly basis, except as specified in §63.7515.

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met.

**Continuous Compliance with the emission limitations, fuel specifications** [15A NCAC 02Q .0508(f), §63.7540]

- u. The Permittee shall demonstrate continuous compliance with each emission limit and operating limit that applies according to the methods specified in §63.7540 and Table 8 of Subpart 5D, including the following:
  - i. Following the date on which the initial compliance demonstration is completed or is required to be completed, whichever date comes first, operation above the established maximum or below the established minimum operating limits shall constitute a deviation of established operating limits listed in Table 4 of this subpart except during performance tests conducted to determine compliance with the emission limits or to establish new operating limits. Operating limits must be confirmed or reestablished during performance tests.
  - ii. As specified in §63.7555(d), you must keep records of the type and amount of all fuels burned in each boiler or process heater during the reporting period to demonstrate that all fuel types and mixtures of fuels burned would result in either of the following:
    - (A) Equal to or lower emissions of HCL and mercury than the applicable emission limit for each pollutant, if you demonstrate compliance through fuel analysis.
    - (B)-Equal to or lower fuel input of chlorine and mercury than the maximum values calculated during the last performance test, if you demonstrate compliance through performance testing.

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met.

**Work Practice Standards** [15A NCAC 02Q .0508(f)]

- v. *5-Year Tune-Up Requirements* -The Permittee shall conduct a tune-up of the boilers every five years as specified in 40 CFR §63.7540(a)(10)(i) through (vi). The Permittee shall conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. The burner inspection specified in 63.7540(a)(10)(i) may be delayed until the next scheduled or unscheduled unit shutdown, but the burner must be inspected at least once every 72 months. [40 CFR §63.7500(a), 63.7540(a)(10), (a)(12)]
  - i. Each tune-up shall be conducted no more than 61 months after the previous tune-up. [40 CFR §63.7515(d)]
  - ii. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup. [§63.7540(a)(13), §63.7515(g)]
 

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these tune-up requirements in are not met.
  - i. Each tune-up shall be conducted no more than 13 months after the previous tune-up. [40CFR 63.7515(d)]
  - ii. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup. [§63.7540(a)(13), §63.7515(g)]
 

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these tune-up requirements in are not met.
  - w. *One Time Energy Assessment* - The Permittee shall have a one-time energy assessment performed by a qualified energy assessor. The energy assessment must address the requirements in 40 CFR 63 Subpart 5D, Table 3, Item 4, with the extent of the evaluation for items (a) to (e) in Table 3, Item 4 appropriate for the on-site technical hours listed in §63.7575: [§63.7500(a)(1), Table 3]
- The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met.

- x. *Startup and Shutdown Requirements*-The Permittee shall comply with all applicable emission limits at all times except as follows:
- i. During startup, the Permittee shall meet the work practice requirements below.
    - (A) All CMS shall be operated during startup.
    - (B) One or a combination of the following clean fuels shall be used: Natural gas, synthetic natural gas, propane, other Gas 1 fuels, distillate oil, syngas, ultra-low sulfur diesel, fuel oil-soaked rags, kerosene, hydrogen, paper, cardboard, refinery gas, liquefied petroleum gas, clean dry biomass, and any fuels meeting the appropriate HCl, mercury and TSM emission standards by fuel analysis.
    - (C) The Permittee has the option of complying using either of the following work practice standards:
      - (1) If complying using definition (1) of “startup” in 40 CFR 63.7575, once the Permittee starts firing fuels that are not clean fuels, the Permittee shall vent emissions to the main stack(s) and engage all of the applicable control devices. Startup ends when steam or heat is supplied for any purpose, OR
      - (2) If complying using definition (2) of “startup” in 40 CFR 63.7575, once the Permittee starts to feed fuels that are not clean fuels, the Permittee shall vent emissions to the main stack(s) and engage all of the applicable control devices so as to comply with the emission limits within 4 hours of start of supplying useful thermal energy. The Permittee shall engage and operate PM control within one hour of first feeding fuels that are not clean fuels. The Permittee shall start all applicable control devices as expeditiously as possible, but, in any case, when necessary to comply with other standards applicable to the source by a permit limit or a rule other than this section that require operation of the control devices. The Permittee shall develop and implement a written startup and shutdown plan, as specified in 40 CFR 63.7505(e).
  - ii. During shutdown, the Permittee shall meet the work practice requirements below.
    - (A) The Permittee shall operate all CMS during shutdown.
    - (B) While firing fuels that are not clean fuels during shutdown, the Permittee shall vent emissions to the main stack(s) and operate all applicable control devices when necessary to comply with other standards applicable to the source that require operation of the control device.
    - (C) If, in addition to the fuel used prior to initiation of shutdown, another fuel must be used to support the shutdown process, that additional fuel must be one or a combination of the following clean fuels: Natural gas, synthetic natural gas, propane, other Gas 1 fuels, distillate oil, syngas, ultra-low sulfur diesel, refinery gas, and liquefied petroleum gas.

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met.

**Recordkeeping Requirements** [15A NCAC 02Q .0508(f), §63.7555(a)(2)]

- y. The Permittee shall keep the following:
- i. a copy of each notification and report submitted to comply with Subpart 5D, including all documentation supporting any Initial Notification or Notification of Compliance Status, or semiannual compliance report that has been submitted, according to the requirements in §63.10(b)(2)(xiv). [§63.7555(a)(1)]
  - ii. records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in §63.10(b)(2)(viii). [§63.7555(a)(2)]
  - iii. maintain on-site and submit, if requested by the Administrator, an annual report containing the information in §63.7540(a)(10)(vi).
  - iv. for each CMS, records according to §63.7555(b).
  - v. records required in Table 8 of Subpart 5D including records of all monitoring data and calculated averages for applicable operating limits, such as opacity, pressure drop, pH, and operating load, to show continuous compliance with each emission limit and operating limit that applies. [§63.7555(c)]
  - vi. the applicable records in §63.7555(d).
  - vii. (A) records in a form suitable and readily available for expeditious review;  
(B) each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record; and

(C) each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The Permittee can keep the records offsite for the remaining 3 years. [§63.7560, §63.10(b)(1)]

The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if these requirements are not met.

**Reporting Requirements** [15A NCAC 02Q .0508(f), §63.7550]

- z. The Permittee shall submit a compliance report to the DAQ on a semi-annual basis, postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June.
  - i. The first compliance report shall be postmarked on or before **July 30, 2019** and cover the period from **May 20, 2019** through **June 30, 2019**.
  - ii. The compliance reports shall also be submitted electronically to the EPA via the procedures in §63.7550(h).
- aa. The compliance report shall contain:
  - i. the information in §63.7550(c) as applicable.
  - ii. For each deviation from an emission limit or operating limit, the report shall contain the information in §63.7550(d) and (e) as applicable. This includes any deviations from your site-specific monitoring plan.
- bb. within 60 days after the date of completing each performance test (defined in §63.2) including any associated fuel analyses as required by Subpart 5D, the Permittee shall submit the results to the DAQ pursuant to 63.10(d)(2) and to the EPA via the procedures in §63.7550(h).
- cc. The Permittee shall be deemed in noncompliance with 15A NCAC 02D .1111 if the requirements in **Section 2.2 C.1.x through cc** are not met.

## 2.3 Permit Shield for Non-Applicable Requirements

- A. One wood fuel-fired boiler (ID No. B-2) with associated multicyclones (ID Nos. MC-2 and MC-2A) and electrostatic precipitator (ID No. ESP-2) all in series  
 One wood fuel-fired boiler (ID No. B-3) with associated multicyclones (ID Nos. MC-3 and MC-3A) and electrostatic precipitator (ID No. ESP-3) all in series  
 One wood fuel-fired boiler (ID No. B-4) with associated multicyclones (ID Nos. MC-4 and MC-4A) and electrostatic precipitator (ID No. ESP-4) all in series  
 One planer mill (ID No. PM-2) with associated cyclone (ID No. C-2) in series with one bagfilter (ID No. BH-1)

The following table provides a summary of limits and standards for the emission source(s) described above:

Regulated Pollutant	Limits/Standards	Applicable Regulation
-	Compliance Assurance Monitoring	15A NCAC 02D .0614

1. **15A NCAC 02D .0614: COMPLIANCE ASSURANCE MONITORING** - Pursuant to 15A NCAC 02Q .0512(a)(1)(B) "Permit Shield and Application Shield, with the issuance of this permit (**06740T14**), the following stipulation of non-applicability has been made:
  - a. 15A NCAC 02D .0614 does not apply to these sources (**ID Nos. B-2 through B-4 and PM-2**) because each source's potential pre-control emissions do not exceed the major source thresholds for that pollutant. See 40 CFR 64.2(a)(3).  
 Therefore, CAM has been determined to not be applicable to these specific sources or their associated control devices as described above.

## SECTION 3- GENERAL CONDITIONS (version 5.3, 08/21/2018)

This section describes terms and conditions applicable to this Title V facility.

A. **General Provisions** [NCGS 143-215 and 15A NCAC 02Q .0508(i)(16)]

1. Terms not otherwise defined in this permit shall have the meaning assigned to such terms as defined in 15A NCAC 02D and 02Q.
2. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to NCGS 143-215.114A and 143-215.114B, including assessment of civil and/or criminal penalties. Any unauthorized deviation from the conditions of this permit may constitute grounds for revocation and/or enforcement action by the DAQ.
3. This permit is not a waiver of or approval of any other Department permits that may be required for other aspects of the facility which are not addressed in this permit.
4. This permit does not relieve the Permittee from liability for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted facility, or from penalties therefore, nor does it allow the Permittee to cause pollution in contravention of state laws or rules, unless specifically authorized by an order from the North Carolina Environmental Management Commission.
5. Except as identified as state-only requirements in this permit, all terms and conditions contained herein shall be enforceable by the DAQ, the EPA, and citizens of the United States as defined in the Federal Clean Air Act.
6. Any stationary source of air pollution shall not be operated, maintained, or modified without the appropriate and valid permits issued by the DAQ, unless the source is exempted by rule. The DAQ may issue a permit only after it receives reasonable assurance that the installation will not cause air pollution in violation of any of the applicable requirements. A permitted installation may only be operated, maintained, constructed, expanded, or modified in a manner that is consistent with the terms of this permit.

B. **Permit Availability** [15A NCAC 02Q .0507(k) and .0508(i)(9)(B)]

The Permittee shall have available at the facility a copy of this permit and shall retain for the duration of the permit term one complete copy of the application and any information submitted in support of the application package. The permit and application shall be made available to an authorized representative of Department of Environmental Quality upon request.

C. **Severability Clause** [15A NCAC 02Q .0508(i)(2)]

In the event of an administrative challenge to a final and binding permit in which a condition is held to be invalid, the provisions in this permit are severable so that all requirements contained in the permit, except those held to be invalid, shall remain valid and must be complied with.

D. **Submissions** [15A NCAC 02Q .0507(e) and 02Q .0508(i)(16)]

Except as otherwise specified herein, two copies of all documents, reports, test data, monitoring data, notifications, request for renewal, and any other information required by this permit shall be submitted to the appropriate Regional Office. Refer to the Regional Office address on the cover page of this permit. For continuous emissions monitoring systems (CEMS) reports, continuous opacity monitoring systems (COMS) reports, quality assurance (QA)/quality control (QC) reports, acid rain CEM certification reports, and NOx budget CEM certification reports, one copy shall be sent to the appropriate Regional Office and one copy shall be sent to:

Supervisor, Stationary Source Compliance  
North Carolina Division of Air Quality  
1641 Mail Service Center  
Raleigh, NC 27699-1641

All submittals shall include the facility name and Facility ID number (refer to the cover page of this permit).

E. **Duty to Comply** [15A NCAC 02Q .0508(i)(3)]

The Permittee shall comply with all terms, conditions, requirements, limitations and restrictions set forth in this permit. Noncompliance with any permit condition except conditions identified as state-only requirements constitutes a violation of the Federal Clean Air Act. Noncompliance with any permit condition is grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

**F. Circumvention - STATE ENFORCEABLE ONLY**

The facility shall be properly operated and maintained at all times in a manner that will effect an overall reduction in air pollution. Unless otherwise specified by this permit, no emission source may be operated without the concurrent operation of its associated air pollution control device(s) and appurtenances.

**G. Permit Modifications**

1. Administrative Permit Amendments [15A NCAC 02Q .0514]  
The Permittee shall submit an application for an administrative permit amendment in accordance with 15A NCAC 02Q .0514.
2. Transfer in Ownership or Operation and Application Submittal Content [15A NCAC 02Q .0524 and 02Q .0505]  
The Permittee shall submit an application for an ownership change in accordance with 15A NCAC 02Q.0524 and 02Q .0505.
3. Minor Permit Modifications [15A NCAC 02Q .0515]  
The Permittee shall submit an application for a minor permit modification in accordance with 15A NCAC 02Q .0515.
4. Significant Permit Modifications [15A NCAC 02Q .0516]  
The Permittee shall submit an application for a significant permit modification in accordance with 15A NCAC 02Q .0516.
5. Reopening for Cause [15A NCAC 02Q .0517]  
The Permittee shall submit an application for reopening for cause in accordance with 15A NCAC 02Q .0517.

**H. Changes Not Requiring Permit Modifications**

1. Reporting Requirements  
Any of the following that would result in new or increased emissions from the emission source(s) listed in Section 1 must be reported to the Regional Supervisor, DAQ:
  - a. changes in the information submitted in the application;
  - b. changes that modify equipment or processes; or
  - c. changes in the quantity or quality of materials processed.

If appropriate, modifications to the permit may then be made by the DAQ to reflect any necessary changes in the permit conditions. In no case are any new or increased emissions allowed that will cause a violation of the emission limitations specified herein.

2. Section 502(b)(10) Changes [15A NCAC 02Q .0523(a)]
  - a. "Section 502(b)(10) changes" means changes that contravene an express permit term or condition. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.
  - b. The Permittee may make Section 502(b)(10) changes without having the permit revised if:
    - i. the changes are not a modification under Title I of the Federal Clean Air Act;
    - ii. the changes do not cause the allowable emissions under the permit to be exceeded;
    - iii. the Permittee notifies the Director and EPA with written notification at least seven days before the change is made; and
    - iv. the Permittee shall attach the notice to the relevant permit.
  - c. The written notification shall include:
    - i. a description of the change;
    - ii. the date on which the change will occur;
    - iii. any change in emissions; and
    - iv. any permit term or condition that is no longer applicable as a result of the change.
  - d. Section 502(b)(10) changes shall be made in the permit the next time that the permit is revised or renewed, whichever comes first.
3. Off Permit Changes [15A NCAC 02Q .0523(b)]  
The Permittee may make changes in the operation or emissions without revising the permit if:
  - a. the change affects only insignificant activities and the activities remain insignificant after the change; or
  - b. the change is not covered under any applicable requirement.
4. Emissions Trading [15A NCAC 02Q .0523(c)]  
To the extent that emissions trading is allowed under 15A NCAC 02D, including subsequently adopted maximum achievable control technology standards, emissions trading shall be allowed without permit revision pursuant to 15A NCAC 02Q .0523(c).



**I.A. Reporting Requirements for Excess Emissions and Permit Deviations** [15A NCAC 02D .0535(f) and 02Q .0508(f)(2)]  
"Excess Emissions" - means an emission rate that exceeds any applicable emission limitation or standard allowed by any rule in Sections .0500, .0900, .1200, or .1400 of Subchapter 02D; or by a permit condition; or that exceeds an emission limit established in a permit issued under 15A NCAC 02Q .0700. (*Note: Definitions of excess emissions under 02D .1110 and 02D .1111 shall apply where defined by rule.*)

"Deviations" - for the purposes of this condition, any action or condition not in accordance with the terms and conditions of this permit including those attributable to upset conditions as well as excess emissions as defined above lasting less than four hours.

**Excess Emissions**

1. If a source is required to report excess emissions under NSPS (15A NCAC 02D .0524), NESHAPS (15A NCAC 02D .1110 or .1111), or the operating permit provides for periodic (e.g., quarterly) reporting of excess emissions, reporting shall be performed as prescribed therein.
2. If the source is not subject to NSPS (15A NCAC 02D .0524), NESHAPS (15A NCAC 02D .1110 or .1111), or these rules do NOT define "excess emissions," the Permittee shall report excess emissions in accordance with 15A NCAC 02D .0535 as follows:
  - a. Pursuant to 15A NCAC 02D .0535, if excess emissions last for more than four hours resulting from a malfunction, a breakdown of process or control equipment, or any other abnormal condition, the owner or operator shall:
    - i. notify the Regional Supervisor or Director of any such occurrence by 9:00 a.m. Eastern Time of the Division's next business day of becoming aware of the occurrence and provide:
      - name and location of the facility;
      - nature and cause of the malfunction or breakdown;
      - time when the malfunction or breakdown is first observed;
      - expected duration; and
      - estimated rate of emissions;
    - ii. notify the Regional Supervisor or Director immediately when corrective measures have been accomplished; and
    - iii. submit to the Regional Supervisor or Director within 15 days a written report as described in 15A NCAC 02D .0535(f)(3).

**Permit Deviations**

3. Pursuant to 15A NCAC 02Q .0508(f)(2), the Permittee shall report deviations from permit requirements (terms and conditions) as follows:
  - a. Notify the Regional Supervisor or Director of all other deviations from permit requirements not covered under 15A NCAC 02D .0535 quarterly. A written report to the Regional Supervisor shall include the probable cause of such deviation and any corrective actions or preventative actions taken. The responsible official shall certify all deviations from permit requirements.

**I.B. Other Requirements under 15A NCAC 02D .0535**

The Permittee shall comply with all other applicable requirements contained in 15A NCAC 02D .0535, including 15A NCAC 02D .0535(c) as follows:

1. Any excess emissions that do not occur during start-up and shut-down shall be considered a violation of the appropriate rule unless the owner or operator of the sources demonstrates to the Director, that the excess emissions are a result of a malfunction. The Director shall consider, along with any other pertinent information, the criteria contained in 15A NCAC 02D .0535(c)(1) through (7).
2. 15A NCAC 02D .0535(g). Excess emissions during start-up and shut-down shall be considered a violation of the appropriate rule if the owner or operator cannot demonstrate that excess emissions are unavoidable.

**J. Emergency Provisions** [40 CFR 70.6(g)]

The Permittee shall be subject to the following provisions with respect to emergencies:

1. An emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the facility, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
2. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in 3. below are met.

3. The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that include information as follows:
  - a. an emergency occurred and the Permittee can identify the cause(s) of the emergency;
  - b. the permitted facility was at the time being properly operated;
  - c. during the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the standards or other requirements in the permit; and
  - d. the Permittee submitted notice of the emergency to the DAQ within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
4. In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
5. This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein.

**K. Permit Renewal [15A NCAC 02Q .0508(e) and 02Q .0513(b)]**

This 15A NCAC 02Q .0500 permit is issued for a fixed term not to exceed five years and shall expire at the end of its term. Permit expiration terminates the facility's right to operate unless a complete 15A NCAC 02Q .0500 renewal application is submitted at least six months before the date of permit expiration. If the Permittee or applicant has complied with 15A NCAC 02Q .0512(b)(1), this 15A NCAC 02Q .0500 permit shall not expire until the renewal permit has been issued or denied. Permit expiration under 15A NCAC 02Q .0400 terminates the facility's right to operate unless a complete 15A NCAC 02Q .0400 renewal application is submitted at least six months before the date of permit expiration for facilities subject to 15A NCAC 02Q .0400 requirements. In either of these events, all terms and conditions of these permits shall remain in effect until the renewal permits have been issued or denied.

**L. Need to Halt or Reduce Activity Not a Defense [15A NCAC 02Q .0508(i)(4)]**

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

**M. Duty to Provide Information (submittal of information) [15A NCAC 02Q .0508(i)(9)]**

1. The Permittee shall furnish to the DAQ, in a timely manner, any reasonable information that the Director may request in **writing** to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit.
2. The Permittee shall furnish the DAQ copies of records required to be kept by the permit when such copies are requested by the Director. For information claimed to be confidential, the Permittee may furnish such records directly to the EPA upon request along with a claim of confidentiality.

**N. Duty to Supplement [15A NCAC 02Q .0507(f)]**

The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the DAQ. The Permittee shall also provide additional information as necessary to address any requirement that becomes applicable to the facility after the date a complete permit application was submitted but prior to the release of the draft permit.

**O. Retention of Records [15A NCAC 02Q .0508(f) and 02Q .0508 (l)]**

The Permittee shall retain records of all required monitoring data and supporting information for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring information, and copies of all reports required by the permit. These records shall be maintained in a form suitable and readily available for expeditious inspection and review. Any records required by the conditions of this permit shall be kept on site and made available to DAQ personnel for inspection upon request.

**P. Compliance Certification [15A NCAC 02Q .0508(n)]**

The Permittee shall submit to the DAQ and the EPA (Air and EPCRA Enforcement Branch, EPA, Region 4, 61 Forsyth Street SW, Atlanta, GA 30303) postmarked on or before March 1 a compliance certification (for the preceding calendar year) by a responsible official with all federally-enforceable terms and conditions in the permit, including emissions limitations, standards, or work practices. It shall be the responsibility of the current owner to submit a compliance certification for the entire year regardless of who owned the facility during the year. The compliance certification shall comply with additional requirements as may be specified under Sections 114(a)(3) or 504(b) of the Federal Clean Air Act. The compliance certification shall specify:

1. the identification of each term or condition of the permit that is the basis of the certification;

2. the compliance status (with the terms and conditions of the permit for the period covered by the certification);
3. whether compliance was continuous or intermittent; and
4. the method(s) used for determining the compliance status of the source during the certification period.

**Q. Certification by Responsible Official [15A NCAC 02Q .0520]**

A responsible official shall certify the truth, accuracy, and completeness of any application form, report, or compliance certification required by this permit. All certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

**R. Permit Shield for Applicable Requirements [15A NCAC 02Q .0512]**

1. Compliance with the terms and conditions of this permit shall be deemed compliance with applicable requirements, where such applicable requirements are included and specifically identified in the permit as of the date of permit issuance.
2. A permit shield shall not alter or affect:
  - a. the power of the Commission, Secretary of the Department, or Governor under NCGS 143-215.3(a)(12), or EPA under Section 303 of the Federal Clean Air Act;
  - b. the liability of an owner or operator of a facility for any violation of applicable requirements prior to the effective date of the permit or at the time of permit issuance;
  - c. the applicable requirements under Title IV; or
  - d. the ability of the Director or the EPA under Section 114 of the Federal Clean Air Act to obtain information to determine compliance of the facility with its permit.
3. A permit shield does not apply to any change made at a facility that does not require a permit or permit revision made under 15A NCAC 02Q .0523.
4. A permit shield does not extend to minor permit modifications made under 15A NCAC 02Q .0515.

**S. Termination, Modification, and Revocation of the Permit [15A NCAC 02Q .0519]**

The Director may terminate, modify, or revoke and reissue this permit if:

1. the information contained in the application or presented in support thereof is determined to be incorrect;
2. the conditions under which the permit or permit renewal was granted have changed;
3. violations of conditions contained in the permit have occurred;
4. the EPA requests that the permit be revoked under 40 CFR 70.7(g) or 70.8(d); or
5. the Director finds that termination, modification, or revocation and reissuance of the permit is necessary to carry out the purpose of NCGS Chapter 143, Article 21B.

**T. Insignificant Activities [15A NCAC 02Q .0503]**

Because an emission source or activity is insignificant does not mean that the emission source or activity is exempted from any applicable requirement or that the owner or operator of the source is exempted from demonstrating compliance with any applicable requirement. The Permittee shall have available at the facility at all times and made available to an authorized representative upon request, documentation, including calculations, if necessary, to demonstrate that an emission source or activity is insignificant.

**U. Property Rights [15A NCAC 02Q .0508(i)(8)]**

This permit does not convey any property rights in either real or personal property or any exclusive privileges.

**V. Inspection and Entry [15A NCAC 02Q .0508(l) and NCGS 143-215.3(a)(2)]**

1. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow the DAQ, or an authorized representative, to perform the following:
  - a. enter the Permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records are kept under the conditions of the permit;
  - b. have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;
  - c. inspect at reasonable times and using reasonable safety practices any source, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - d. sample or monitor substances or parameters, using reasonable safety practices, for the purpose of assuring compliance with the permit or applicable requirements at reasonable times.

Nothing in this condition shall limit the ability of the EPA to inspect or enter the premises of the Permittee under Section 114 or other provisions of the Federal Clean Air Act.

2. No person shall refuse entry or access to any authorized representative of the DAQ who requests entry for purposes of inspection, and who presents appropriate credentials, nor shall any person obstruct, hamper, or interfere with any such

authorized representative while in the process of carrying out his official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

W. **Annual Fee Payment** [15A NCAC 02Q .0508(i)(10)]

1. The Permittee shall pay all fees in accordance with 15A NCAC 02Q .0200.
2. Payment of fees may be by check or money order made payable to the N.C. Department of Environmental Quality. Annual permit fee payments shall refer to the permit number.
3. If, within 30 days after being billed, the Permittee fails to pay an annual fee, the Director may initiate action to terminate the permit under 15A NCAC 02Q .0519.

X. **Annual Emission Inventory Requirements** [15A NCAC 02Q .0207]

The Permittee shall report by **June 30 of each year** the actual emissions of each air pollutant listed in 15A NCAC 02Q .0207(a) from each emission source within the facility during the previous calendar year. The report shall be in or on such form as may be established by the Director. The accuracy of the report shall be certified by a responsible official of the facility.

Y. **Confidential Information** [15A NCAC 02Q .0107 and 02Q .0508(i)(9)]

Whenever the Permittee submits information under a claim of confidentiality pursuant to 15A NCAC 02Q .0107, the Permittee may also submit a copy of all such information and claim directly to the EPA upon request. All requests for confidentiality must be in accordance with 15A NCAC 02Q .0107.

Z. **Construction and Operation Permits** [15A NCAC 02Q .0100 and .0300]

A construction and operating permit shall be obtained by the Permittee for any proposed new or modified facility or emission source which is not exempted from having a permit prior to the beginning of construction or modification, in accordance with all applicable provisions of 15A NCAC 02Q .0100 and .0300.

AA. **Standard Application Form and Required Information** [15A NCAC 02Q .0505 and .0507]

The Permittee shall submit applications and required information in accordance with the provisions of 15A NCAC 02Q .0505 and .0507.

BB. **Financial Responsibility and Compliance History** [15A NCAC 02Q .0507(d)(4)]

The DAQ may require an applicant to submit a statement of financial qualifications and/or a statement of substantial compliance history.

CC. **Refrigerant Requirements (Stratospheric Ozone and Climate Protection)** [15A NCAC 02Q .0501(e)]

1. If the Permittee has appliances or refrigeration equipment, including air conditioning equipment, which use Class I or II ozone-depleting substances such as chlorofluorocarbons and hydrochlorofluorocarbons listed as refrigerants in 40 CFR Part 82 Subpart A Appendices A and B, the Permittee shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82 Subpart F.
2. The Permittee shall not knowingly vent or otherwise release any Class I or II substance into the environment during the repair, servicing, maintenance, or disposal of any such device except as provided in 40 CFR Part 82 Subpart F.
3. The Permittee shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the EPA or its designee as required.

DD. **Prevention of Accidental Releases - Section 112(r)** [15A NCAC 02Q .0508(h)]

If the Permittee is required to develop and register a Risk Management Plan with EPA pursuant to Section 112(r) of the Clean Air Act, then the Permittee is required to register this plan in accordance with 40 CFR Part 68.

EE. **Prevention of Accidental Releases General Duty Clause - Section 112(r)(1) – FEDERALLY-ENFORCEABLE ONLY**

Although a risk management plan may not be required, if the Permittee produces, processes, handles, or stores any amount of a listed hazardous substance, the Permittee has a general duty to take such steps as are necessary to prevent the accidental release of such substance and to minimize the consequences of any release.

FF. **Title IV Allowances** [15A NCAC 02Q .0508(i)(1)]

This permit does not limit the number of Title IV allowances held by the Permittee, but the Permittee may not use allowances as a defense to noncompliance with any other applicable requirement. The Permittee's emissions may not exceed any allowances that the facility lawfully holds under Title IV of the Federal Clean Air Act.

**GG. Air Pollution Emergency Episode** [15A NCAC 02D .0300]

Should the Director of the DAQ declare an Air Pollution Emergency Episode, the Permittee will be required to operate in accordance with the Permittee's previously approved Emission Reduction Plan or, in the absence of an approved plan, with the appropriate requirements specified in 15A NCAC 02D .0300.

**HH. Registration of Air Pollution Sources** [15A NCAC 02D .0202]

The Director of the DAQ may require the Permittee to register a source of air pollution. If the Permittee is required to register a source of air pollution, this registration and required information will be in accordance with 15A NCAC 02D .0202(b).

**II. Ambient Air Quality Standards** [15A NCAC 02D .0501(c)]

In addition to any control or manner of operation necessary to meet emission standards specified in this permit, any source of air pollution shall be operated with such control or in such manner that the source shall not cause the ambient air quality standards in 15A NCAC 02D .0400 to be exceeded at any point beyond the premises on which the source is located. When controls more stringent than named in the applicable emission standards in this permit are required to prevent violation of the ambient air quality standards or are required to create an offset, the permit shall contain a condition requiring these controls.

**JJ. General Emissions Testing and Reporting Requirements** [15A NCAC 02Q .0508(i)(16)]

Emission compliance testing shall be by the procedures of Section .2600, except as may be otherwise required in Rules .0524, .0912, .1110, .1111, or .1415 of Subchapter 02D. If emissions testing is required by this permit or the DAQ or if the Permittee submits emissions testing to the DAQ to demonstrate compliance, the Permittee shall perform such testing in accordance with 15A NCAC 02D .2600 and follow the procedures outlined below:

1. The owner or operator of the source shall arrange for air emission testing protocols to be provided to the Director prior to air pollution testing. Testing protocols are not required to be pre-approved by the Director prior to air pollution testing. The Director shall review air emission testing protocols for pre-approval prior to testing if requested by the owner or operator at least **45 days** before conducting the test.
2. Any person proposing to conduct an emissions test to demonstrate compliance with an applicable standard shall notify the Director at least **15 days** before beginning the test so that the Director may at his option observe the test.
3. The owner or operator of the source shall arrange for controlling and measuring the production rates during the period of air testing. The owner or operator of the source shall ensure that the equipment or process being tested is operated at the production rate that best fulfills the purpose of the test. The individual conducting the emission test shall describe the procedures used to obtain accurate process data and include in the test report the average production rates determined during each testing period.
4. Two copies of the final air emission test report shall be submitted to the Director not later than **30 days** after sample collection unless otherwise specified in the specific conditions. The owner or operator may request an extension to submit the final test report. The Director shall approve an extension request if he finds that the extension request is a result of actions beyond the control of the owner or operator.
  - a. The Director shall make the final determination regarding any testing procedure deviation and the validity of the compliance test. The Director may:
    - i. Allow deviations from a method specified under a rule in this Section if the owner or operator of the source being tested demonstrates to the satisfaction of the Director that the specified method is inappropriate for the source being tested.
    - ii. Prescribe alternate test procedures on an individual basis when he finds that the alternative method is necessary to secure more reliable test data.
    - iii. Prescribe or approve methods on an individual basis for sources or pollutants for which no test method is specified in this Section if the methods can be demonstrated to determine compliance of permitted emission sources or pollutants.
  - b. The Director may authorize the Division of Air Quality to conduct independent tests of any source subject to a rule in this Subchapter to determine the compliance status of that source or to verify any test data submitted relating to that source. Any test conducted by the Division of Air Quality using the appropriate testing procedures described in Section 02D .2600 has precedence over all other tests.

**KK. Reopening for Cause** [15A NCAC 02Q .0517]

1. A permit shall be reopened and revised under the following circumstances:
  - a. additional applicable requirements become applicable to a facility with remaining permit term of three or more years;
  - b. additional requirements (including excess emission requirements) become applicable to a source covered by Title IV;

- c. the Director or EPA finds that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or
  - d. the Director or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
2. Any permit reopening shall be completed or a revised permit issued within 18 months after the applicable requirement is promulgated. No reopening is required if the effective date of the requirement is after the expiration of the permit term unless the term of the permit was extended pursuant to 15A NCAC 02Q .0513(c).
  3. Except for the state-enforceable only portion of the permit, the procedures set out in 15A NCAC 02Q .0507, .0521, or .0522 shall be followed to reissue the permit. If the State-enforceable only portion of the permit is reopened, the procedures in 15A NCAC 02Q .0300 shall be followed. The proceedings shall affect only those parts of the permit for which cause to reopen exists.
  4. The Director shall notify the Permittee at least 60 days in advance of the date that the permit is to be reopened, except in cases of imminent threat to public health or safety the notification period may be less than 60 days.
  5. Within 90 days, or 180 days if the EPA extends the response period, after receiving notification from the EPA that a permit needs to be terminated, modified, or revoked and reissued, the Director shall send to the EPA a proposed determination of termination, modification, or revocation and reissuance, as appropriate.

**LL. Reporting Requirements for Non-Operating Equipment [15A NCAC 02Q .0508(i)(16)]**

The Permittee shall maintain a record of operation for permitted equipment noting whenever the equipment is taken from and placed into operation. When permitted equipment is not in operation, the requirements for testing, monitoring, and recordkeeping are suspended until operation resumes.

**MM. Fugitive Dust Control Requirement [15A NCAC 02D .0540]**

As required by 15A NCAC 02D .0540 "Particulates from Fugitive Dust Emission Sources," the Permittee shall not cause or allow fugitive dust emissions to cause or contribute to substantive complaints or excess visible emissions beyond the property boundary. If substantive complaints or excessive fugitive dust emissions from the facility are observed beyond the property boundaries for six minutes in any one hour (using Reference Method 22 in 40 CFR, Appendix A), the owner or operator may be required to submit a fugitive dust plan as described in 02D .0540(f).

"Fugitive dust emissions" means particulate matter from process operations that does not pass through a process stack or vent and that is generated within plant property boundaries from activities such as: unloading and loading areas, process areas, stockpiles, stock pile working, plant parking lots, and plant roads (including access roads and haul roads).

**NN. Specific Permit Modifications [15A NCAC 02Q .0501 and .0523]**

1. For modifications made pursuant to 15A NCAC 02Q .0501(c)(2), the Permittee shall file a Title V Air Quality Permit Application for the air emission source(s) and associated air pollution control device(s) on or before 12 months after commencing operation.
2. For modifications made pursuant to 15A NCAC 02Q .0501(d)(2), the Permittee shall not begin operation of the air emission source(s) and associated air pollution control device(s) until a Title V Air Quality Permit Application is filed and a construction and operation permit following the procedures of Section .0500 (except for Rule .0504 of this Section) is obtained.
3. For modifications made pursuant to 502(b)(10), in accordance with 15A NCAC 02Q .0523(a)(1)(C), the Permittee shall notify the Director and EPA (EPA - Air Planning Branch, 61 Forsyth Street SW, Atlanta, GA 30303) in writing at least seven days before the change is made. The written notification shall include:
  - a. a description of the change at the facility;
  - b. the date on which the change will occur;
  - c. any change in emissions; and
  - d. any permit term or condition that is no longer applicable as a result of the change.

In addition to this notification requirement, with the next significant modification or Air Quality Permit renewal, the Permittee shall submit a page "E5" of the application forms signed by the responsible official verifying that the application for the 502(b)(10) change/modification, is true, accurate, and complete. Further note that modifications made pursuant to 502(b)(10) do not relieve the Permittee from satisfying preconstruction requirements.

**OO. Third Party Participation and EPA Review [15A NCAC 02Q .0521, .0522 and .0525(7)]**

For permits modifications subject to 45-day review by the federal Environmental Protection Agency (EPA), EPA's decision to not object to the proposed permit is considered final and binding on the EPA and absent a third party petition, the failure to object is the end of EPA's decision-making process with respect to the revisions to the permit. The time period available to submit a public petition pursuant to 15A NCAC 02Q .0518 begins at the end of the 45-day EPA review period.

## ATTACHMENT

**List of Acronyms**

<b>AOS</b>	Alternative Operating Scenario
<b>BACT</b>	Best Available Control Technology
<b>Btu</b>	British thermal unit
<b>CAA</b>	Clean Air Act
<b>CAIR</b>	Clean Air Interstate Rule
<b>CEM</b>	Continuous Emission Monitor
<b>CFR</b>	Code of Federal Regulations
<b>DAQ</b>	Division of Air Quality
<b>DEQ</b>	Department of Environmental Quality
<b>EMC</b>	Environmental Management Commission
<b>EPA</b>	Environmental Protection Agency
<b>FR</b>	Federal Register
<b>GACT</b>	Generally Available Control Technology
<b>HAP</b>	Hazardous Air Pollutant
<b>MACT</b>	Maximum Achievable Control Technology
<b>NAA</b>	Non-Attainment Area
<b>NCAC</b>	North Carolina Administrative Code
<b>NCGS</b>	North Carolina General Statutes
<b>NESHAP</b>	National Emission Standards for Hazardous Air Pollutants
<b>NO<sub>x</sub></b>	Nitrogen Oxides
<b>NSPS</b>	New Source Performance Standard
<b>OAH</b>	Office of Administrative Hearings
<b>PM</b>	Particulate Matter
<b>PM<sub>10</sub></b>	Particulate Matter with Nominal Aerodynamic Diameter of 10 Micrometers or Less
<b>POS</b>	Primary Operating Scenario
<b>PSD</b>	Prevention of Significant Deterioration
<b>RACT</b>	Reasonably Available Control Technology
<b>SIC</b>	Standard Industrial Classification
<b>SIP</b>	State Implementation Plan
<b>SO<sub>2</sub></b>	Sulfur Dioxide
<b>tpy</b>	Tons Per Year
<b>VOC</b>	Volatile Organic Compound